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Appl. No. 10/519,107
Reply to Office Action of August 22, 2007

SEP 18 2007

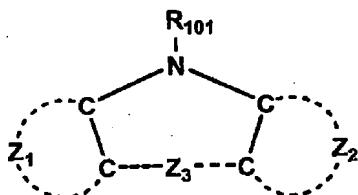
Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An organic electroluminescent element comprising a pair of electrodes having therebetween at least one constituting layer containing a phosphorescent light emitting layer, wherein one of the constituting layer contains a compound represented by Formula (1):

Formula (1)



wherein Z₁ represents an aromatic heterocyclic ring which may have a substituent; Z₂ represents an aromatic heterocyclic ring which may have a substituent or an aromatic hydrocarbon ring which may have a substituent; Z₃ represents a divalent linking

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group or a single bond; and R₁₀₁ represents a hydrogen atom or a substituent.

2. (Original) The organic electroluminescent element of claim 1, wherein Z₁ of the compound represented by Formula (1) is a 6-membered ring.

3. (Previously presented) The organic electroluminescent element of claim 1, wherein Z₂ of the compound represented by Formula (1) is a 6- membered ring.

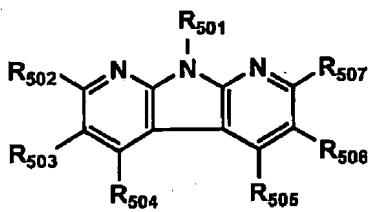
4. (Previously presented) The organic electroluminescent element of claim 1, wherein Z₃ of the compound represented by Formula (1) is a single bond.

5. (Previously presented) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) has a molecular weight of 450 or more.

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6. (Previously presented) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-1):

Formula (1-1)

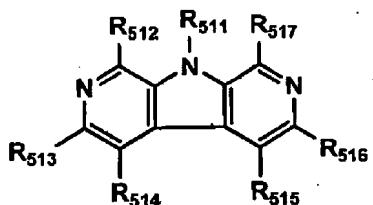


wherein R₅₀₁ - R₅₀₇ each independently represents a hydrogen atom or a substituent.

7. (withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-2):

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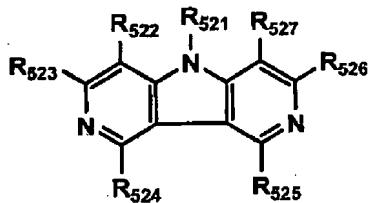
Formula (1-2)



wherein R₅₁₁ - R₅₁₇ each independently represents a hydrogen atom or a substituent.

8. (Previously presented) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-3):

Formula (1-3)

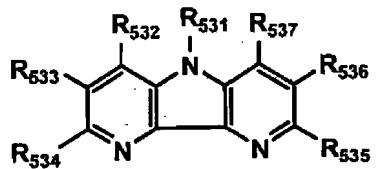


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wherein R₅₂₁ - R₅₂₇ each independently represents a hydrogen atom or a substituent.

9. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-4):

Formula (1-4)

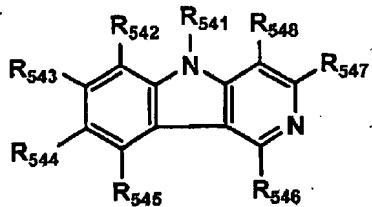


wherein R₅₃₁ - R₅₃₇ each independently represents a hydrogen atom or a substituent.

10. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-5):

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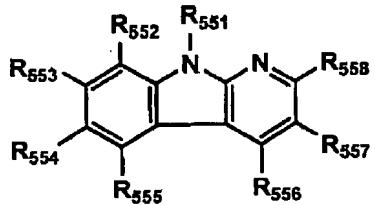
Formula (1-5)



wherein R₅₄₁ - R₅₄₈ each independently represents a hydrogen atom or a substituent.

11. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-6):

Formula (1-6)

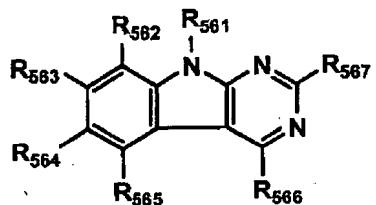


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wherein R₅₅₁ - R₅₅₈ each independently represents a hydrogen atom or a substituent.

12. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-7):

Formula (1-7)

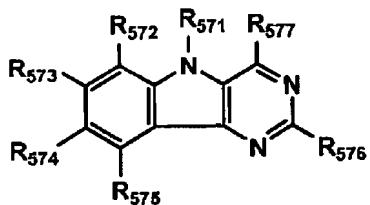


wherein R₅₆₁ - R₅₆₇ each independently represents a hydrogen atom or a substituent.

13. (withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-8):

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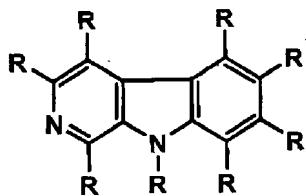
Formula (1-8)



wherein R₅₇₁ - R₅₇₇ each independently represents a hydrogen atom or a substituent.

14. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-9):

Formula (1-9)

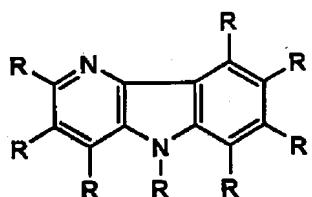


wherein each R represents a hydrogen atom or a substituent and a plurality of R may be the same or may be different from each other.

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15. **(Withdrawn)** The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (1-10):

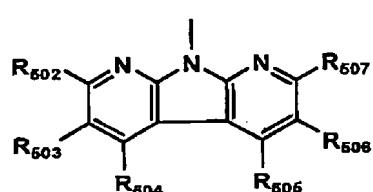
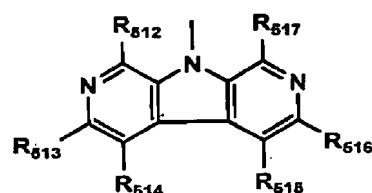
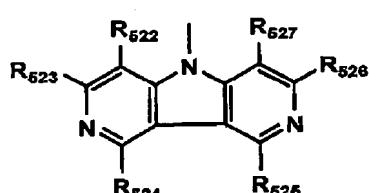
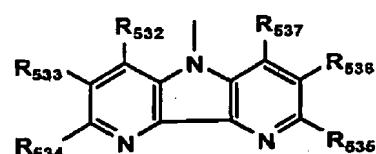
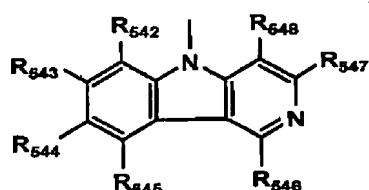
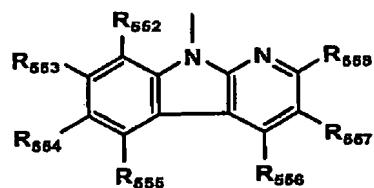
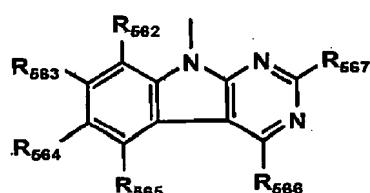
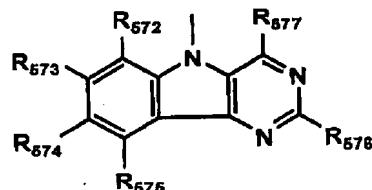
Formula (1-10)



wherein each R represents a hydrogen atom or a substituent and a plurality of R may be the same or may be different from each other.

16. **(Previously presented)** The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) has at least one of groups represented by Formulae (2-1) to (2-8):

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Formula (2-1)**Formula (2-2)****Formula (2-3)****Formula (2-4)****Formula (2-5)****Formula (2-6)****Formula (2-7)****Formula (2-8)**

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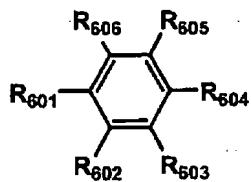
wherein

- (a) in Formula (2-1), R₅₀₂ - R₅₀₇ each independently represents a hydrogen atom or a substituent;
- (b) in Formula (2-2), R₅₁₂ - R₅₁₇ each independently represents a hydrogen atom or a substituent;
- (c) in Formula (2-3), R₅₂₂ - R₅₂₇ each independently represents a hydrogen atom or a substituent;
- (d) in Formula (2-4), R₅₃₂ - R₅₃₇ each independently represents a hydrogen atom or a substituent;
- (e) in Formula (2-5), R₅₄₂ - R₅₄₈ each independently represents a hydrogen atom or a substituent;
- (f) in Formula (2-6), R₅₅₂ - R₅₅₈ each independently represents a hydrogen atom or a substituent;
- (g) in Formula (2-7), R₅₆₂ - R₅₆₇ each independently represents a hydrogen atom or a substituent; and
- (h) in Formula (2-8), R₅₇₂ - R₅₇₇ each independently represents a hydrogen atom or a substituent.

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17. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (3):

Formula (3)

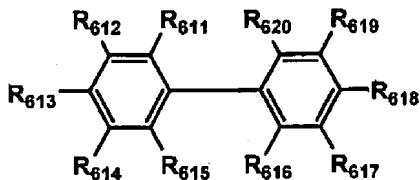


wherein R₆₀₁ - R₆₀₆ each independently represents a hydrogen atom or a substituent and at least one of R₆₀₁ - R₆₀₆ is represented by one of Formulae (2-1) to (2-4).

18. (Currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (4):

Formula (4)

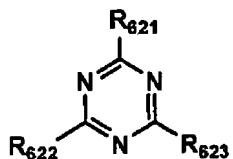
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wherein R₆₁₁ - R₆₂₀ each independently represents a hydrogen atom or a substituent and at least one of R₆₁₁ - R₆₂₀ is represented by one of Formulae (2-1) to (2-4).

19. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (5) [[.]]:

Formula (5)

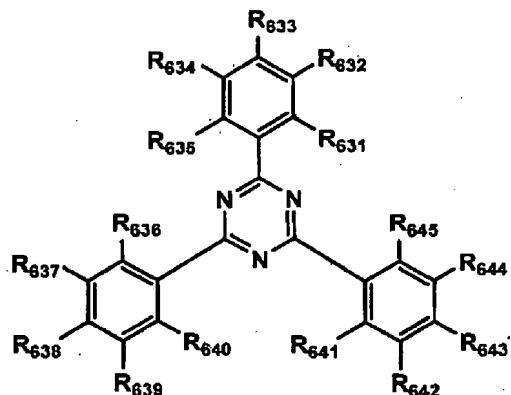


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wherein R₆₂₁ - R₆₂₃ each independently represents a hydrogen atom or a substituent and at least one of R₆₂₁ - R₆₂₃ is represented by one of Formulae (2-1) to (2-4).

20. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (6):

Formula (6)

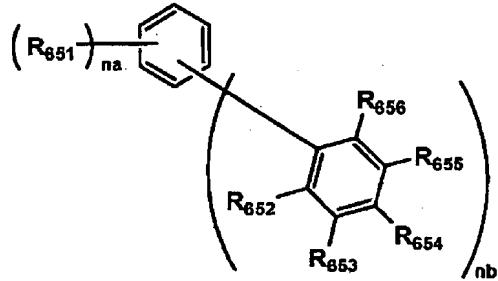


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wherein R₆₃₁ - R₆₄₅ each independently represents a hydrogen atom or a substituent and at least one of R₆₃₁ - R₆₄₅ is represented by one of Formulae (2-1) to (2-4).

21. (Currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (7):

Formula (7)

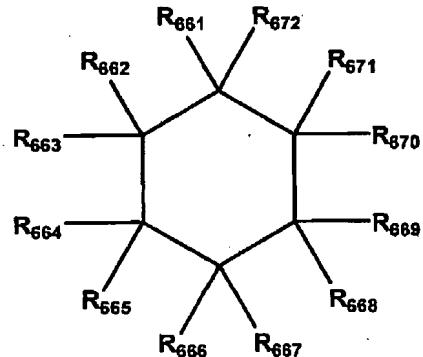


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wherein R₆₅₁ - R₆₅₆ each independently represents a hydrogen atom or a substituent and at least one of R₆₅₁ - R₆₅₆ is represented by one of Formulae (2-1) to (2-4); na represents an integer of 0 to 5; and nb represents an integer of 1 to 6, provided that a sum of na and nb is 6.

22. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (8):

Formula (8)

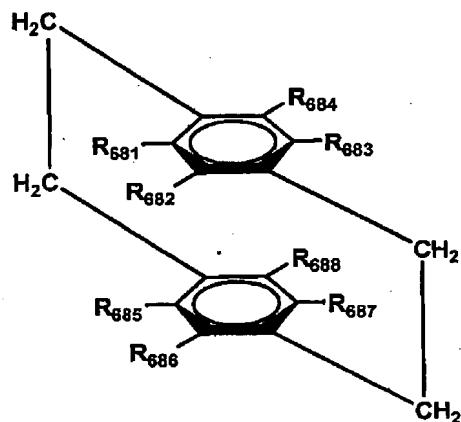


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wherein R₆₆₁ - R₆₇₂ each independently represents a hydrogen atom or a substituent and at least one of R₆₆₁ - R₆₇₂ is represented by one of Formulae (2-1) to (2-4).

23. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (9):

Formula (9)

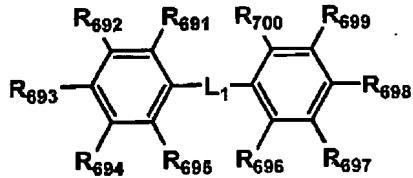


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wherein R₆₈₁ - R₆₈₈ each independently represents a hydrogen atom or a substituent and at least one of R₆₈₁ - R₆₈₈ is represented by one of Formulae (2-1) to (2-4).

24. (Withdrawn - currently amended) The organic electroluminescent element of claim [[1]] 16, wherein the compound represented by Formula (1) is further represented by Formula (10):

Formula (10)



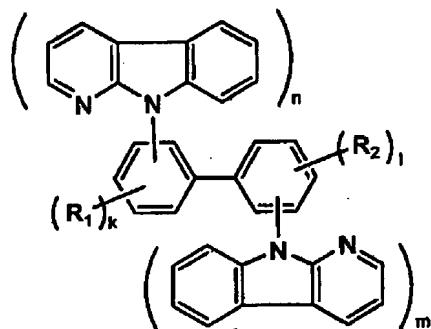
wherein R₆₉₁ - R₇₀₀ each independently represents a hydrogen atom or a substituent and at least one of R₆₉₁ - R₇₀₀ is

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represented by one of Formulae (2-1) to (2-4); and L₁ represents a divalent linking group.

25. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (11):

Formula (11)

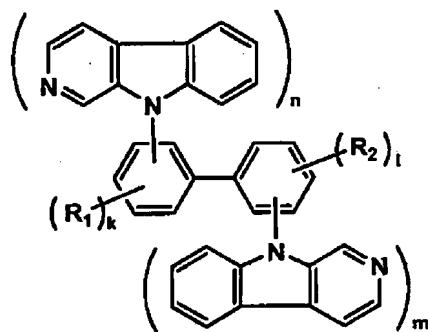


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wherein R₁ and R₂ each independently represents a hydrogen atom or a substituent; n and m each represents an integer of 1 to 2; and k and l each represents an integer of 3 to 4, provided that n + k = 5 and l + m = 5.

26. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (12):

Formula (12)

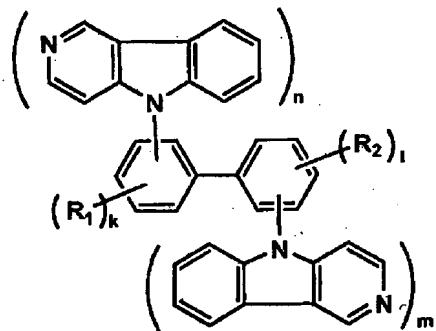


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wherein R₁ and R₂ each independently represents a hydrogen atom or a substituent; n and m each represents an integer of 1 to 2; and k and l each represents an integer of 3 to 4, provided that n + k = 5 and l + m = 5.

27. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (13):

Formula (13)

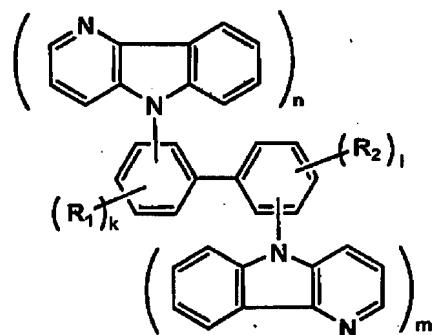


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wherein R₁ and R₂ each independently represents a hydrogen atom or a substituent; n and m each represents an integer of 1 to 2; and k and l each represents an integer of 3 to 4, provided that n + k = 5 and l + m = 5.

28. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (14):

Formula (14)

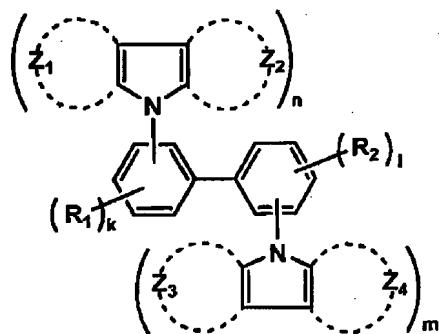


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wherein R_1 and R_2 each independently represents a hydrogen atom or a substituent; n and m each represents an integer of 1 to 2; and k and l each represents an integer of 3 to 4, provided that $n + k = 5$ and $l + m = 5$.

29. (Previously presented) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (15):

Formula (15)



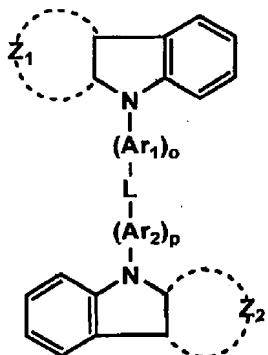
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wherein R_1 and R_2 each independently represents a hydrogen atom or a substituent; n and m each represents an integer of 1 to 2; k and l each represents an integer of 3 to 4, provided that $n + k = 5$ and $l + m = 5$; and Z_1 , Z_2 , Z_3 and Z_4 each represent a 6-membered aromatic heterocyclic ring containing a nitrogen atom.

30. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (16):

Formula (16)

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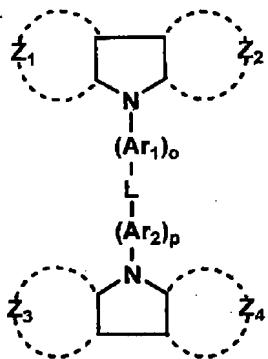


wherein o and p each represents an integer of 1 to 3; Ar₁ and Ar₂ each represents an arylene group or a divalent aromatic heterocyclic group; Z₁ and Z₂ each represents a 6- membered aromatic heterocyclic ring containing a nitrogen atom; and L represents a divalent linking group.

31. (Withdrawn) The organic electroluminescent element of claim 1, wherein the compound represented by Formula (1) is further represented by Formula (17):

Formula (17)

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wherein o and p each represents an integer of 1 to 3; Ar₁ and Ar₂ each represents an arylene group or a divalent aromatic heterocyclic group; Z₁, Z₂, Z₃ and Z₄ each represents a 6-membered aromatic heterocyclic ring containing a nitrogen atom; and L represents a divalent linking group.

32. (Previously presented) The organic electroluminescent element of claim 1, wherein the light emitting layer contains the compound represented by Formula (1).

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33. **(Previously presented)** The organic electroluminescent element of claim 1, wherein at least one of the constituting layers is a hole blocking layer and the hole blocking layer contains the compound represented by Formula (1).

34. **(Previously presented)** The organic electroluminescent element of claim 1 which emits blue light.

35. **(Previously presented)** The organic electroluminescent element of claim 1 which emits white light.

36. **(Previously presented)** A display device having the organic electroluminescent element of claim 1.

Claims 37-63 (Canceled)

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ELECTION

- (1) Invention of Group 3.
- (2) Species of Group 12.
- (3) Claims readable on elected species: Claims 1 to 5, 8, 16, 18, 21, 29, and 32 to 36.

(4) The requirement did not appear to require the identification of a single compound. If this is not correct, applicants elect compound 9 on page 50.